

**WNYRIC Standards Committee Face to Face Meeting Minutes
May 3, 2017 1:00-3:30 PM
Via Distance Learning**

In Attendance:

Jan Mathis (WNYRIC/Chair)	Ron LaVere (Cheektowaga CSD)
Mike Taylor (WNYRIC)	David Brace (WNYRIC)
Dave Kajdasz (WNYRIC/Co-Chair)	Michael Murphy (Forestville)
Kyle Lyon (WNYRIC)	Dave Joseph (CA BOCES)
Rob Morgan (Pioneer CSD)	Chuck Marzec (Jamestown CSD)
Michelle Okal-Frink (WNYRIC)	Brian Richards (Medina CSD)
Sheldon Soman (ON BOCES)	Ryan Finney (Bath CSD)
Darlene Sprague (Niagara Falls)	Chris Gyr (Genesee Valley CSD)
Frank Rizzo (Alden CSD)	Bill Giancoli (GST BOCES)
Ryan Finney (Bath CSD)	Vic Ozogar (WNYRIC)
Terry Caleb (WNYRIC)	Bill Valtin (WNYRIC/DL support)
Dr. Mark Beehler (Salamanca CSD)	Valerie Winegarden (WNYRIC/minutes)

Jan Mathis called meeting to order at 1:00 p.m.

Administrative Items:

1. Approval of the February 15, 2017 meeting minutes:

- Jan asked if there were any questions or concerns from the meeting minutes from February 15, 2017. There was none.
Ron Lavere made the motion to accept meeting minutes and Rob Morgan seconded it. The motion passed unanimously (14 yes/0 no).

2. Tentative future meeting dates for 17-18:

- 8/23/2017
 - Face to face meeting at Erie 1 BOCES
- 11/15/2017
- 2/14/2018
- 5/2/2018

3. Category Review Dates for 2016-17:

1. Computers – August
2. Operating System- November
3. Internet Browsers – February
4. Printers – August
5. **Scanners – May**
6. Software – August
7. Server – November
8. Server Backup – November
9. **UPS– May**
10. **Virtualization- May**
11. Communications Equipment- August
12. VoIP- November
13. Video Conferencing- November
14. Network Optimization – February
15. **Endpoint Management- May**

Discussion/Information Items-

4. Updates from Kyle Lyon on Network Gear:

- Kyle created a list of some recommended switch review guidelines to discuss and review. They

include, what is the possible deployment scenario's (small, medium, large), what the physical requirements, software requirements, are support required, and other company products.

- Kyle provided the below summary after analyzing Juniper, HPE/Aruba, and Dell switch gear:

Juniper: Brief Testing of 4600 Core and 3400 Edge Switches. Kenton has also done testing with 4600 Core, QFX TOR, and 4300 edge switches. Kenton CSD is moving forward with a purchase of Juniper equipment.

Pros:

- High level Core Switch for all Campus sizes
- Edge switches met physical requirements for Power supplies, POE, 1 GB, 10GB and 40GB
- Software meets requirements and has a single OS across all models
- Support meets requirements across all hardware
- Works with Ildp for voip phone discovery
- Has ZTP features

Cons:

- Unique CLI compared to a majority of switch vendors on the market
- Maintenance is a little higher compared to HPE and Dell
- No wireless or phone products to offer along with switches

HPE: Brief Testing of HPE 4800 Core and 3810 Edge Switches

Pros:

- Medium to Small District Core switch has good physical features and choices
- Edge switches met physical requirements for Power supplies, POE, 1 GB, 10GB and 40GB
- Software meets requirements and has a single OS across all Aruba branded models,
- Integration with Aruba wireless products
- All hardware platforms are covered under limited lifetime warranty
- Works with Ildp for voip phone discovery
- Has ZTP features

Cons:

- Large District Core may be a challenge for ARP support.
- Multiple OS's on non-Aruba switch brands

Dell: Brief Testing of S4048 Core, 3132 and 3124 Edge Switches. CA BOCES has S4048 and S4020 in production and Bath CSD is purchasing S4048 for Server Racks

Pros:

- Medium to Small District Core switch has good physical feature and choices
- Edge switches met physical requirements for Power supplies, POE, 1 GB, 10GB and 40GB
- All hardware platforms are covered under limited lifetime warranty
- Ability to change operating systems on certain hardware platforms.
- Support meets requirements across all hardware
- Works with LLDP for VoIP phone discovery
- Has ZTP features

Cons:

- No wireless or phone products to offer along with switches
- Multiple OS's on various hardware platforms (some can be changed)
- No wireless or phone products to offer along with switches

Rob Morgan made a motion at add Juniper, HPE/Aruba, and Dell to category 11. Communications Equipment, under sub category A. Routers and Switches. The motion was seconded by Ryan Finney and the motion carried unanimously (14 yes/0 no).

5. BAK laptops update (Dr. Mark Beehler/Salamanca)

- Received Add form from Scott Collins for BAK Atlas 12
- BAK is currently OCM BOCES contract

- Dr. Mark Beehler said that students have been piloting HP, BAK, and Surface devices at Salamanca HS. Students reported that the BAK was the most durable, resistant to damage, and had better battery life. They liked the BAK features. BAK are the most cost effective. Cost of ownership is less than any of the other devices.
 - Looking for 4-10 grade niche initiate. District was approved for piloting 60 devices and is asking Standards to consider adding them to the Standards list.
 - Bill G (GST) asked if there were issues with imaging. Scott Collins reported no issues with imaging. GST met with BAK and felt they were very responsive. Drivers were not easily accessible but BAK is addressing. Student and teachers did like the devices. Little concern if BAK can handle the volume of devices districts might need.
 - Erie 1 went to BAK headquarters last year and they were expanding. Jan spoke with Ian at BAK and they have expanded to supporting the Cleveland stadium. Concerns to multi-cast was addressed and has been rectified by BAK. Talked to them about the drivers are not easily accessible.
 - Mike Murphy also visited and felt they were very committed and highly recommend them.
 - Darlene worked with BAK early on and had them for a couple of pilots. NF had them through a spring and summer. Purchased 75 for non-pubs about 6 months ago, and no issues reported so far Tech was concerned about reimaging. Jan talked to them about imaging, need to figure out the easiest process.
 - Committee requested additional information be reported regarding Salamanca's pilot in early June. Can plan for an online vote in June and request updates from Salamanca.
 - Would like to see report of service responsiveness, compatibility, imaging, drivers, and any issues from Salamanca.
 - Jan and Dave K. will also plan another visit with BAK. Can find out if other models are available.
- Mike Murphy made a motion for Salamanca to conduct a pilot of BAK devices and report back to Standards Committee in early June for a possible electronic vote. Chuck Marzec seconded the motion and it carried unanimously. (14 yes/0 no).

Action Items:

6. Add form request from Douglas Pine (Gowanda CSD) for GoGuardian-Admin & Teacher

- Jan reached out to Michelle to verify that this would be a CSLO item. She mentioned that they would need to respond to the classroom management RFP when it comes out later this year.

7. Add form request from Brian Richards (Medina CSD) for Sophos Central Device Encryption

- Medina purchased, looking into encryption solution. Sophos lays on top of bit locker and is in the cloud. Currently encrypting all admin laptops. All in the cloud, no server. Also tested on a desktop. Does use CPU and have not had any complaints so far. Reached out to ON BOCES region regarding encryption software and there was not any response. Encrypting disks on the laptops.
- Kyle suggested Brian R. to reach out to Will Westoven regarding new firewall equipment purchased and may be able to investigate add-ons. WNYRIC may already own something. Update at next meeting.

8. Add form request from Brian Richards (Medina CSD) for Gaggle

- Jan reached out to Michelle to verify that this would be a CSLO item. She mentioned that they would need to respond to the classroom management RFP when it comes out later this year.

9. Category review:

5. Scanners – no changes
 9. UPS– review in August
 - Do coupons work on anything other than APC? Jan will follow up with the WNYRIC Service Desk.
 - Check with Pat D regarding Erate projects and discuss next meeting.
 10. Virtualization- no changes
- NComputing- Need to find out who still has it

15. Endpoint Management:

- SCCM section need to change to 2012 instead 2013 (typo)

1. Computers (addon):

- Under Asus add sub category B. Laptop

Ron Lavere made the motion to above changes to the Standards list; Rob Morgan seconded the motion and it carried unanimously (14 yes/0 no).

10. **Roundtable Discussion:**

- At the February meeting, Chuck M. had asked if the WNYRIC was looking into any other phone vendors. Dale Anderson said that we have not entertained any other vendors. They would have to be Enterprise capable. Is Jamestown interested in a particular vendor? Jan will ask Dale to investigate mid-tier vendor options. Pricing is a concern with only one vendor on list. Damen College did a presentation at Tech consortium. Could reach out for additional information.
- At the February meeting, server backup for Cloud solutions came up. Jan asked Scott P to investigate backup solutions for the Cloud. See below URLs for additional information:
Spanning
<http://spanning.com/products/office365-backup/>
<http://spanning.com/products/google-apps-backup/>

Backupify
<https://www.backupify.com/office-365-backup>
 - <https://www.backupify.com/google-apps-backup>
- Bath purchased Backupify 5 months ago. Will ask Scott P to reach out to Ryan F.
- Mike T how we decipher laptops vs tablets. A laptop computer is a portable fully functional PC or Mac that comes with an attached keyboard and runs full versions of the Windows or OS operating system. These devices can be used on or offline. They may or may not offer a touchscreen. A tablet is a device that functions using a touch screen. The committee voted above to add sub-category B.Laptop to Asus.
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- There was a late submission add form from Mark Koedel Williamsville for Managed Alien Vault and Advanced. Jan will reach out to Will W and Mark for next meeting.
- Darlene Sprauge announced her retirement this September. The committee thanked Darlene for her many years as a Standards Committee member. Best of luck to Darlene!

Dave Kajdasz made a motion to adjourn at 3:01pm; Ron Lavere seconded the motion.

Respectfully submitted: Valerie Winegarden